FORMULAS AND TABLES FOR ARCH BRICK—Continued

Firebrick Arches; Rise, Length, Radius, for Chord of Unity

No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
Rise or Middle Ordinate Decimal of	Logarithm of Rise or Middle Ordinate	Rise or Middle Ordinate Inches per 1	Arc	Length of Arc	Logarithm of Length of Arc	Radius of Arc	Logarithm of Radius of Arc
v	log v	v	a, Degrees, Minutes and	b or c	log& logc	r or r'	logr logr'
0.0703	8.8470	ft	32-00-48	1.0131	0.0056	1.8132	0.2584
0.0729	3	7		3	7		6
0 0750	8 .	8	33-06-	1.0141	0.0060	1.755	0.2443
0.075	8.8780	>>	34-20-50	1.0151	0.0065	1.6934	0.2287
5	7			3	2		5
0.078	8.8927	It	35-30-	1.0161	0.0069	1.639	0.2147
0.080	8.9070	»	36-40-	1.0172	0.0072	1.589	0.2012
7	3		23	8	8	3	0
0.083	8.9208	1	37-50-	1.0184	0.0074	1.542	0.1881
3	2	1&	04	1	2	2	5
0.085	8.9294	1*	38-35-	1.0191	0.0082	1.513	0.1798
0	2		32	6	4	1	6
0.085	8.9341		38-59-	1.0195	0.0084	1.498	0.1765
0.091	8.9597	1*	41-18-	1.0219	0.0094	1.417	0.1515
1	4	11	14	7	4	7	8
0.093	8.9719		42-30-	1.0232	0.0099	1.379	0.1397
0.098	8.9838	1*	43-39-	1.0246	0.0105	1.344	0.1285
4	7	1*	42	0	5	6	8
0.099	8.9954		44-47-	1.0259	0.0111	1.312	0.1179
0	9		45-14-	1.026	0.0113	1.300	0.1139
0.101	9.0067	1*	45-56-	1.0273	0.0117	1.281	0.1076
6	3	U	36	1	0	1	0
0.104	9.0177		47-04-	1.0287	0.0122	1.252	0.0976
0.106	9 .	1*	48-13-	1.0301	0.0129	1.223	0.0877
8	02845	1ft	44	5	0	8	1
0.109	9.0389		49-16-	1.0316	0.0135	1.199	0.0790
0.112	9.0491	1»	50-30-	1.0331	0.0141	1.172	0.0689
0	4		12	2	5	1	5